APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Investigations in the System $CaO-P_2O_5-Al2O_3$ $CaO-P_2O_5-SiO_2-Al_2O_3$, by H. Hartmann, H. Haegermann, 18 pp.

Full translation.

GERMAN, per, Zement-Kalk-Gipp, Vol VI, No 3, 1953, pp 81-88.

S. L. A.

Scientific - Chemistry

86,025 Jul 55

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Experiences with Concrete Containing Plastic Additives, by E. Rissel.

GERMAN, FEB, Zement-Kalk-Gips, Vol IV, 1953, pp 101-105.

IRSDOC-T1532

Bc1
Aug 58

70,451

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Repairing Old Concrete by the Use of Artificial Materials, by E. Rissel.

GERMAN, per, Zement-Kalk-Gips, Vol IV, 1953, pp 101-105.

INSDOC-T1531

Sci
Aug 58

70,452

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Sundius, Nils.
REACTION AND CHANGES AT THE BOUNDARY BETWEEN CLINKER AND LINING IN CEMENT ROTARY KILNS (Reaktionen und Veränderungen an der Grenzfläche Zwischen Klinker und Futter in Zementdrehöfen). [1964] [21p] (figs omitted)
Order from SLA $2.60 TT-64-10716

Trans. of Zement-Kalk-Gips (West Germany) 1953, v. 6 [no. 1] p. 1-8.

(Materials--Refractories, TT, v. 11, no. 12)

TT-64-10716

I. Sundius, N.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Ans, J. d' and Eick, H.
THE SYSTEM $CaO-Al_2O_3-H_2O$ AT 20°C AND THE HARDENING OF ALUMINOUS CEMENTS. [1963]
[37p] (figs omitted) 35refs
Order from SLA $3.60 TT-64-14260

Trans. of Zement-Kalk-Gips (West Germany) 1953, v. 6, p. 197-210.

DESCRIPTORS: *Cements, Hardening, Aluminates, *Calcium compounds, Water, Mixtures, Phase studies, Hydrates.

(Materials, TT, v. 11, no. 7)

TT-64-14260

I. Ans, J. d'
II. Eick, H.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

System $CaO-Al_2O_3-CaSO_4-H_2O$ at 20°C, by H. Eick, J. D'Ans.
GERMAN, per, Zement-Kalk-Gips, Vol 6, No 9, 1953, pp 11-302
CSIRO/No 7024

Sci -
Jul 67 334,501

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Manufacture of Sand-Lime Bricks, by J. Endell.
GERMAN, per Zem.-Kalk-Gips, Vol. 6, No. 11, 1953, pp 406-409
GB 334/20 - 10/-

Sci -
Aug 67 338-368

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Temperature Rise in a Concrete Mix Due to Hot Cement, by K. Seidel, 6 pp.

GERMAN, per, Zement-Kalk-Gips, Vol VI, No 11, 1953, pp 413-415.

S.L.A. Tr 638/1955

Sci - Engineering
Apr 1957 CTS/dex

50,260

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Model Considerations on the Conveying and Heating of the Material in the Rotary Kiln, by W. Anselm, E. Schwarz-Berghampf.

GERMAN, per, Zement-Kalk-Gips, No 5, 1954, pp 101-104.

CSIRO

Sci - Engr
May 62

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Rotary Kiln-Determination of Dimensions and Model Similarity, by W. Anseim.

GERMAN, per, Zement-Kalk-Gips, special issue, Vol V, 1954, pp 127-140.

ASLIB-GB39

Sci
Aug 58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Role of "Fines" in Portland Cement, by W. Czernin, 20 pp.

GERMAN, per, Zement-Kalk-Gips, Vol VII, Apr 1954, pp 160-166.

S.L.A. Tr 115

EEur - Germany
Scientific - Engineering

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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The Acid-Resistant Ocrat-Concrete, by W. Wittekindt, 13 pp.

GERMAN, per, Zement-Kalk-Gips, Vol VII, Sep 1954, pp 337-342.

SLA Tr 847/1955

Sci - Engr

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Jul 57

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Shaft Kiln of Tomorrow, by E. Spohn, 14 pp.

GERMAN, per, Zement-Kalk-Gips, Vol VII, Nov 1954, pp 409-415.

S.L.A. Tr : 674/1955

Sci - Engineering
Apr 1957 CTS/dex

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Use of Warm Cement on Concreting Jobs, by K. Seidel, 13 pp.

GERMAN, per, Zement-Kalk-Gips, Vol VIII, No 1, Jan 1955, pp 1-6.

S.L.A. Tr 639/1955

50,263

Sci - Engineering
Apr 1957 CTS/dex

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

S

Measurement of Consistence of Gypsum Paste and Gypsum Mortar, by W. Albrecht.

GERMAN, per, Zement-Kalk-Gips, Vol VIII, 1955, pp 19-23.

ASLIB-GB21

Sci

Aug 59

95, 345

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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A Method for the Titrimentric Determination of Silica in Cements, by E. Zymny, 2 pp.

GERMAN, per, Zement-Kalk-Gips, Vol VIII, No 2, Feb 1955, p 59.

SLA Tr 883/1955

Sci - Min/Met

50,532

Jul 57

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

New Type of Bearing for Rotary Kilns Without Horizontal Thrust, by K. Milowie, 10 pp.

GERMAN, per, Zementkalk-gips, Vol VIII, No 7, Jul 1955, pp 240-242.

S.L.A. No 364/1956

Scientific - Engineering 34,295

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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A New Type of Feeder, by E. Voos, F. Grosser, 13 pp.

GERMAN, per, Zement-kalk-gips, Vol VIII, No 8, Aug 1955, pp 268-272.

S.L.A. No 405/1956

Scientific - Engineering 34,269

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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The Hardening of Various Cementing Agents [redacted] at Low Temperatures, by A. Hummel, K. Wesche, 7 pp.

GERMAN, per, Zement-kalk-gips, Vol VIII, No 9, Sep 1955, pp 322-325.

S.L.A. No 337/1956

Scientific - Engineering 34, 311

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Flow Properties of Non-Newtonian Liquid, by F. Becker, W. Schramli, 20 pp.

GERMAN, per, Zement-kalk-gips, Vol VIII, No 10, Oct 1955, pp 345-352.

S.L.A. No 285/1956

Scientific - Chemistry 34,333

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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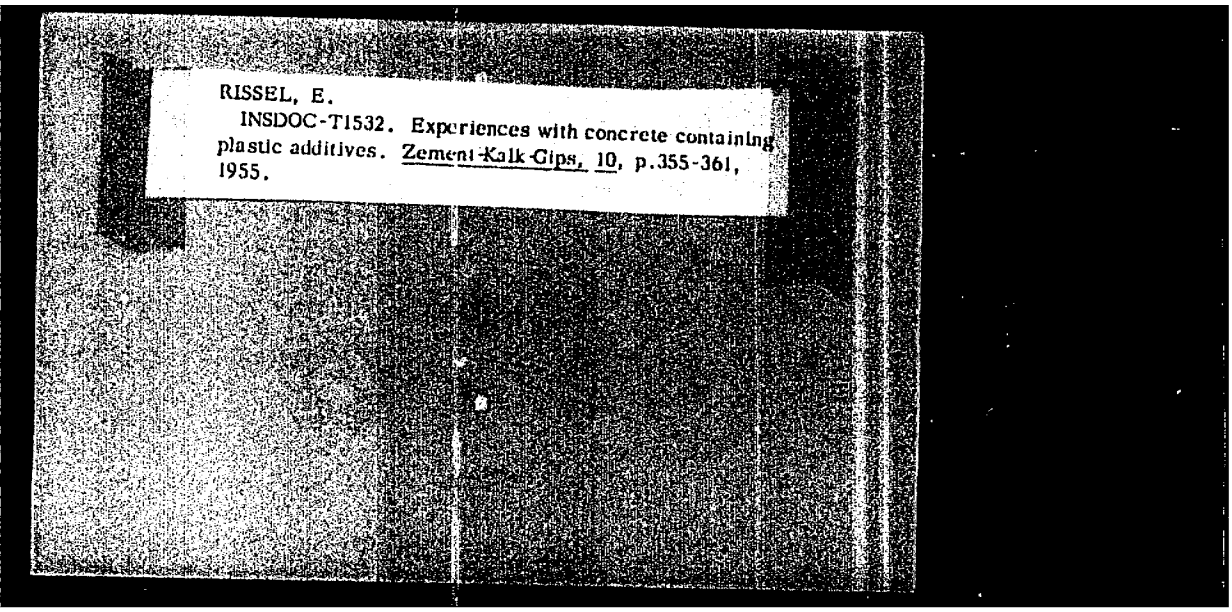

RISSEL, E.

INSDOC-T1532. Experiences with concrete containing plastic additives. Zement-Kalk-Gips, 10, p.355-361, 1955.

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Manufacture of Soft-Burned Quicklime with Doubled Shaft Kiln Output, by H. Eigen.

GERMAN, per, Zement-Kalk-Gips, Vol VIII, Nov 1955, pp 381-386.

ASLIB-OB39

Sci

Jul 59

92,589

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Burning of Small-Sized Limestone in the Coke-Fired Shaft Kiln, by H. Eigen.

GERMAN, per, Zement-Kalk-Gips, Vol VIII, 1955, pp 397-400.

CSIRO

Sci - Engr
May 62

198,501

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Results of a Systematic Series of Investigations on Dust Emission in Cement Plants, by E. Ruhland, 25 pp.

GERMAN, per, Zement-Kalk-rips, Vol IX, No 3, Mar 1956, pp 103-111.

S.L.A. Tr 1167/1956

40,067

W
EE - Germany
Semin Econ
Sci - Engineering
Oct 56 CTS

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Structural Stresses in Concrete, by B. Henk, UNCL

GERMAN, per, Zement-Kalk-Gips, Vol IX, No 3, 1956, pp 111-120.

DSIR/33084/CT

CSIRO

REur Germany
Econ; Sci - Engr
Feb 59

81,550

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Water Combined in Cement, by R. Hayden. UNCL

GERMAN, per, Zement, Kalk, Gips, Vol IX, No 3, 1956, pp 120-122.

NSR 33043/CT

Chem
Sci - Min/Met; Engr
Mar 59

83,228

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Colorimetric Determination of Aluminium Iron and Titanium Cements, by K. Wallraf.
GERMAN, per, Zement-Kalk-Gips, Vol 9, No 5, 1956, pp 186-194.
NTC-69-12996-07B

Sci-Chem
Sept 69

391,147

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Some Physical and Chemical Investigations on the Burning and Slaking of Lime, by G. Pohl.

GERMAN, per, Zement-Kik-Gips, Vol IX, Jun 1956, pp 275-284.

ASLIB-GB39

Sci

Aug 59

94,155

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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Colorimetric Determination of Aluminium, Iron and Titanium in Cements, by M. Wallraf

GERMAN, per, Zement-Kalk-Gips, Vol IX, No 5, 1956, pp 186-194.

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Sci-Chem
May 63

23424

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Gas-Fired Lime Shaft Kiln With Stepped Combustion
by H. Ilgen.

GERMAN, [illegible], Zement-Kalk-Gips, Vol IX, No 6,
1956, pp 284-286.

OSTRO

Sci - Engr
May 62

198,502

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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The Bruning of Gypsum for Flooring, Plastering and Building Purposes in the Rotary Kiln, by R. Zollinger.

GERMAN, per, Zement-Kalk-Gips, Vol IX, 1956, pp 319-328.

CSIRO

Sci - Engr
Aug 62

211, 145

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

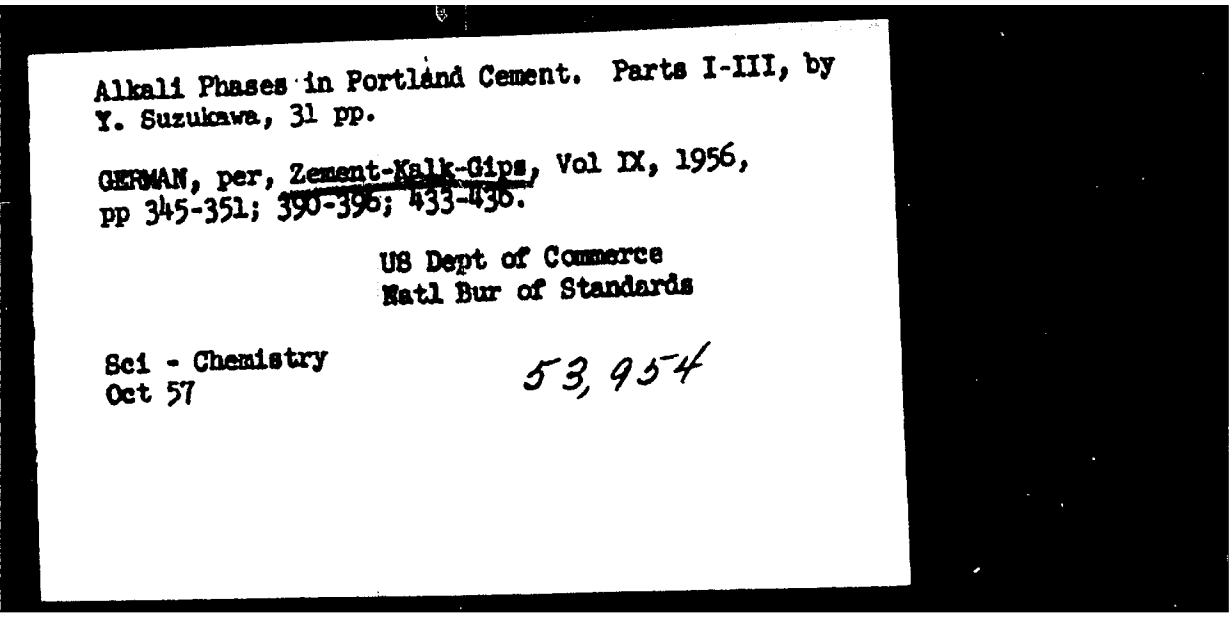
APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Influence of the Clay Minerals on Dust Formation in the Burning of Clinker, by H. E. Schwiete, 10 pp.
GERMAN, per, Zement-Kalk-Grips, Vol 9, No 8, 1956, pp 351-357.
X-7484

Aug 71

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0



Alkali Phases in Portland Cement. Parts I-III, by Y. Suzukawa, 31 pp.

GERMAN, per, Zement-Kalk-Gips, Vol IX, 1956, pp 345-351; 390-396; 433-436.

US Dept of Commerce
Natl Bur of Standards

Sci - Chemistry
Oct 57

53,954

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Significance of Calorimetric Measurements for the Manufacture and Testing of Plasters, by E. Kipeltauer.

GERMAN, per, Zement-Kalk Gips, Vol IX, No 11, 1956, pp 501-505.

CSIRO 3662

Sci - Phys

Mar 62

188,362

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Bagging Problems: Findings of Tests With Compacted Material, by H. V. Zander.

GERMAN, per, Zement-Kalk-Gips, No 12, 1956, pp 541-545.

ASLIB-GB39

Sci - Engr

Jun 59

89,597

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

A Modern Packing Installation for Compressed Cement and Hydrated Lime, by W. Frankenberger.

GERMAN, per, Zement-Kalk-Gips, Dec 1956, PP 545-547.

ASLIB-GB39

Sci - Engr

Jun 59

89,400

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Quantitative Determination of Potassium with Sodium Tetraphenyl Borate, by W. Lieber, 5 pp.

GERMAN, per, Zement-Kalk-Gips, Vol X, No 1, 1957, pp 61, 62.

SLA 58[illegible]-658

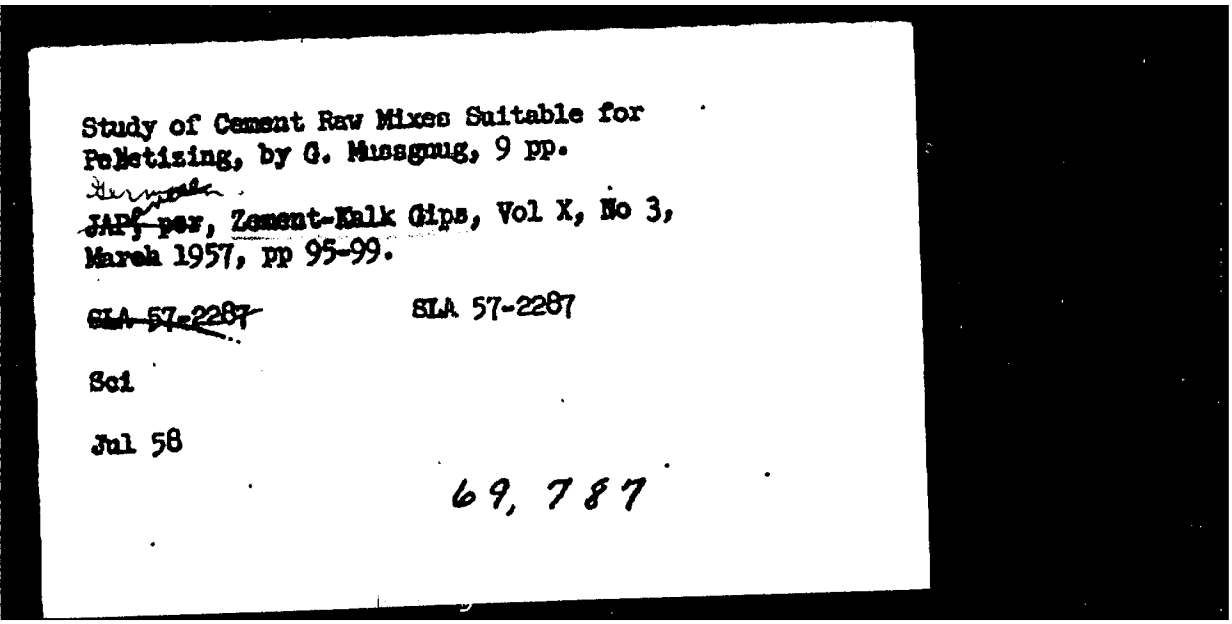
Sci

Aug 59

95,082

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0



Study of Cement Raw Mixes Suitable for Pelletizing, by G. Mussgnug, 9 pp.

German.

~~JAPer~~, Zement-Kalk Gips, Vol X, No 3, March 1957, pp 95-99.

~~SLA-57-2287~~ SLA 57-2287

Sci

Jul 58

69, 787

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Bues, H.
THE BURNING OF HIGH-GRADE PORTLAND CEMENT CLINKER IN THE AUTOMATIC SHAFT KILN. [1962] 9p. (figs. refs. omitted).
Order from SLA $1.10 62-18703

Summary trans. of Zement-Kalk-Gips (West Germany) 1957 [v. 10] no. 5, p. 187-194.

DESCRIPTORS: Combustion, *Cements, Production, Materials, Sintering furnaces

(Materials, TT, v. 9, no. 11)

62-18703

1. Title: Clinker
1. Bues, H.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Some Investigations Concerning Hardening Pressure and Hardening Time in the Sand-Lime Brick Industry, by G. Pohl.

GERMAN, per, Zement-Kalk-Gips, Vol X, No 9, 1957, pp 354-359.

CSIRO 3914

207,239

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WEEur - Germany
Econ
Aug 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Pfrunder, V. R. and Schwander, H.
QUANTITATIVE SPECTROSCOPIC DETERMINATION OF THE PRINCIPAL COMPONENTS OF MINERALS IN THE CEMENT INDUSTRY. [1961] 10p. 10 refs.
Order from SLA $1.10 61-18714

Trans. of Zement-Kalk-Gips (West Germany) 1957, v. 10, no. 10, p. 394-398.

DESCRIPTORS: *Cements, Construction, Materials, *Minerals, Chemical analysis, Silicates, Calcium compounds, Iron compounds, Oxides, Determination, Spectrographic cameras, Spectrographic analysis, Aluminum compounds.

A method was developed which permits the principal components of the cement raw materials and of the cement clinker to be determined quantitatively by relatively simple means involving the use of spectrum anal- (Physics--Spectroscopy, TT, v. 6, no. 9) (over)

61-18714

I. Pfrunder, V. R.
II. Schwander, H.

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Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Design of Closed Circuit Grinding Installations, b[illegible] [illegible] [illegible], 13 pp.

GERMAN, per, Zement-Kalk-Gips, Vol X[illegible], No 9, 1957, pp 398-[illegible],
8 10?.

SLA 59-15069

Sci
Jan 60
Vol 2, No 7

10 4/646

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Principles of Fineness Control in Closed-Circuit Grinding, by Tatsuo Tanaka, 9 pp.

GERMAN, per, Zement-Kalk-Gips, Vol X, No 10, 1957, pp 409-413.

SIA 59-5/1068

Sci
Jan 60
Vol 2, No 5

104809

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Standardisation of Building and Technical Gypsums, by H. Grimme.

GERMAN, per, Zement-Kalk-Gips, No 12, 1957, pp 513-515.

J. S. I. R. O. T4057

SCi
May 60

115,671

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Particle Shape and Particle Size of Dry and Wet-Slaked Hydrates of Lime, by H. V. Zander.

GERMAN, per, Zement-Kalk-Gip, Vol XI, No 2, 1958, pp 41-45.

GB 334/CT 5-20
C.S.I.R.O.
CLAIRA T.5

Sci

May 60

115,763

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Schimmel, G.
LIME PUTTY UNDER THE ELECTRON MICROSCOPE.
Jul 61
Order from C. L. A. L R. A. Laboratories, Church Street, Welwyn, Herts, England £2 CLAIRA T. 6

Trans. of Zement-Kalk-Gips (West Germany) 1958, v. 11, no. 2, p. 46-49.

DESCRIPTORS: *Calcium compounds, Oxides, Electron microscopes.

(Materials, TT, v. 11, no. 4)

TT-63-22904

I. Title: Putty
I. Schimmel, G.
II. CLAIRA-T-6
III. Chalk Lime and Allied Industries Research Association (G. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Some Problems of the Rotary Cement Kiln, by H. Higen,

GERMAN, per, Zement-Kalk-Gips, Vol XI, pp 56-63, 1958,

Chief Librarian, C.S.I.R.O.
314 Albert Street
East Melbourne, Australia
C. 2, Vic.

115/200

Sai
May 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Theoretical Possibilities for the Granulometric Composition in Closed-Circuit Grinding, by Tatsuo Tanaka, 5 pp.

GERMAN, Iper, Zement-Kalk-Gips, Vol XI, No 3, 1958, pp 92-94.

SLA 59-15071

Sci
Dec 59
Vol 2, No 5

104808

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Operational Adjustment of Dish Type Nodulisers,
by H. Klatt.

GERMAN, per, Zement-Kalk-Gips, Vol XI, No 4,
1958, pp 144-154.

CSIRO
SLA 63-16130

M/M

Oct. 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Hydraulic Properties of Glasses, by F. Kiel, F.W. Locher.
GERMAN, per, Zement-kalk-Gips, Vol.11, No. 6, 1958, pp 245-253
GB/21/IC856

Sci -
July 1967

334-447

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Manufacture of Calcium Sulphate Hemihydrate by the Grinding-Burning Method, by W. Lahl, H.E. Schwiete. GERMAN, per, Zement-Kalk-Gips, 1959, pp 345. CSR.CO/

Sci -
July 1967

334,019

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Preparation of Raw Gypsum and Its Conversion Into various Hemihydrate Plaster Forms. Parts I and II, by E. Eipeltauer.

GERMAN, per, Zement-Kalk-Gips, Vol XI, No 6, 1958, pp 264-272, Vol XII, No 8, 1959, pp 351-355.

NRCC TT-899

Sci - Chemistry
Jan 61

137,697

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Closed Circuit Grinding With Conventional Air-Separators, by Tetsuo Tanaka, 14 pp.

GERMAN, per, Zement-Kalk-Gips, Vol XI, No 7, 1958, pp 298-304.

15
SLA 59-3070

Sci
Dec 59
Vol 2, No 5

104,807

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Discharge Mechanisms II for Shaft Kilns,
by C. Schoneck.

GERMAN, per, Zement-Kalk-Gips, No 8,
1958, pp 345-357.

CSIRO

Sci - Engr
Jul 62

207,660

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Influence of Silicone Impregnation on the permeability to Air, Water Absorption and Water Elimination of Sand-lime Bricks, by H. Weissbach,

GERMAN, per. Zement-Kalk-Gips, Vol XI, No 8, pp 357-364. 1958

C.S.I.R.O. 4254

Sci

A
May 60

115, 156

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Electron Microscope Studies of Hardening Cement Pastes, by W. Czernin, 4 p.

GERMAN, per, Zement-Kalk-Gips, 1958, Vol XI, No 9, pp 381-383.

SLA 59-20327

Sci.
Mar 60
Vol 2, No 12

109 201

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Closed Circuit Grinding of Cement, by B. Beke, 33 pp.

GERMAN, per, Zement-Kalk-Gips, Vol XI, No 12, 1958, pp 529-543.

SLA 59-15693

Sci
Dec 59
Vol 2, No 4

102,681

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Czech, R. and Gottschalk, F.
READY MIXED MORTAR IN SCANDINAVIA. Jul 61
Order from C. L. A. I. R. A. Laboratories, Church Street, Welwyn, Herts, England £10 CLAIRA T. 8

Trans. of Zement-Kalk-Gips (West Germany) 1958, v. 11, no. 12, p. 550-562.

DESCRIPTORS: *Mortar, Construction materials.

(Materials, TT, v. 11, no. 4)

TT-63-22906

I. Title: Scandinavia
I. Czech, R.
II. Gottschalk, F.
III. CLAIRA-T-8
IV. Chalk Lime and Allied Industries Research Association (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Physical Problems in the Testing of Concrete, by H. Rusch, 21 pp.

GERMAN, per, Zement-Kalk-Gips, Vol XII, No 1, 1958, pp 1-9.

SLA 59-15694

Sci
Dec 59
Vol 2, No 4

102,693

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Relationship Between Strength and Granulometric Composition of Cements, as Based on Statistical Investigations, by H. Gebelein.
GERMAN, per, Zement-Kalk-Gips, 1959.
CSR Co

Sci - Mat/Met
Jun 64

261,231

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Modern Grinding Plants, by A. Bellwinkel, 29 p.

GERMAN, per, Zement-Kalk-Gips, 1959, Vol XII, No 2, pp 41-55.

SLA 59-17565

Sci
Feb 60
Vol 2, No 10

108878

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Nomogram to be Used for Approximate Design Calculations of Tube Mills, by P. Bermutat, 5 p.

GERMAN, per, Zement-Kalk-Gips, 1959, Vol XII, No 2, pp 65-67

SLA 59-17564

Sci
Feb 60
Vol 2, No 10

108879

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Improvements in Drilling and Blasting Techniques, by W. E. Fauner.

GERMAN, per, Zement-Kalk-Gips, Vol XII, No 4, 1959, pp 154-156.

CSIRO

175,782

Sci - Engr
Dec 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Styropor-Concrete, by H. Erick.

GERMAN, per, Zement Kalk, Vol XII, 1959,
pp 253-257.

Language Sv Bu

Sci - Chem

Oct 60

129,656

SLA 60-14774

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Testing Corrosion Danger to Steel Reinforcement Due to Admixtures in Concrete, by H. Kaesche, 12p.

GERMAN, per, Zement-Kalk-Gips, 1959, Vol XII, No 7, pp 289-294.

SLA 60-10243

Sci
Apr 60
Vol III, No 3

113,656

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

The Effect of Additives on the Corrosion Behavior of Steel in Concrete, by A. Baumel, 24 p.

GERMAN, per, Zement-Kalk-Gips, Vol XII, No 7, pp 294-305.

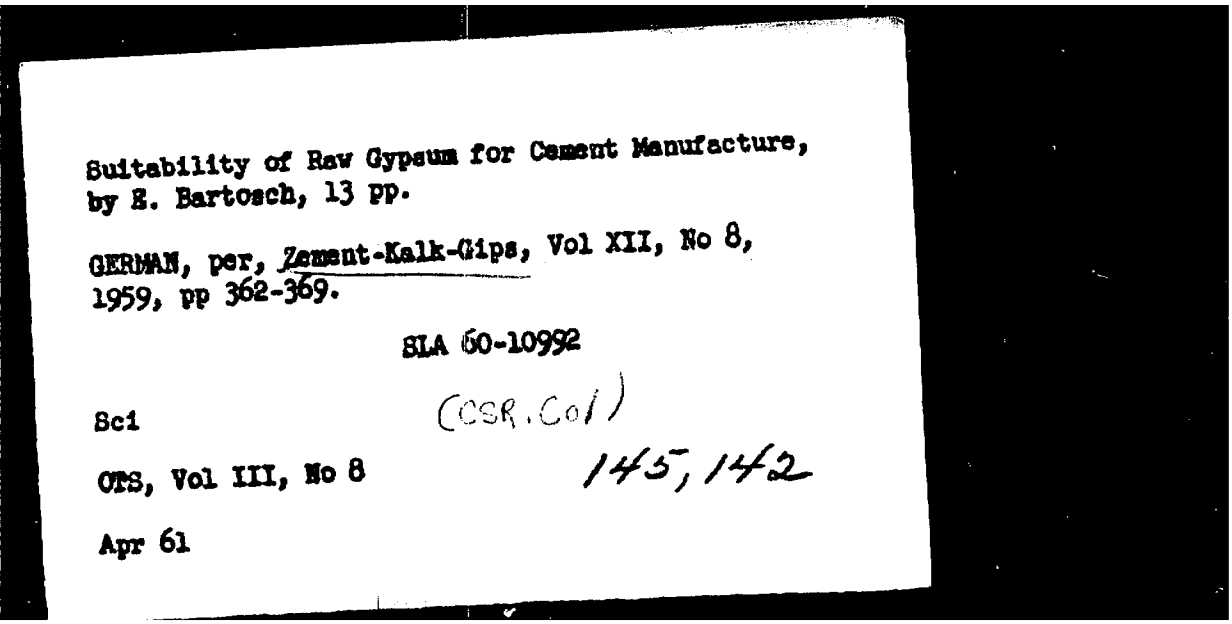
SLA 60-10244

Sci
Apr 60
Vol XII, No 3

111, 993

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0



Suitability of Raw Gypsum for Cement Manufacture, by E. Bartosch, 13 pp.

GERMAN, per, Zement-Kalk-Gips, Vol XII, No 8, 1959, pp 362-369.

SLA 60-10992

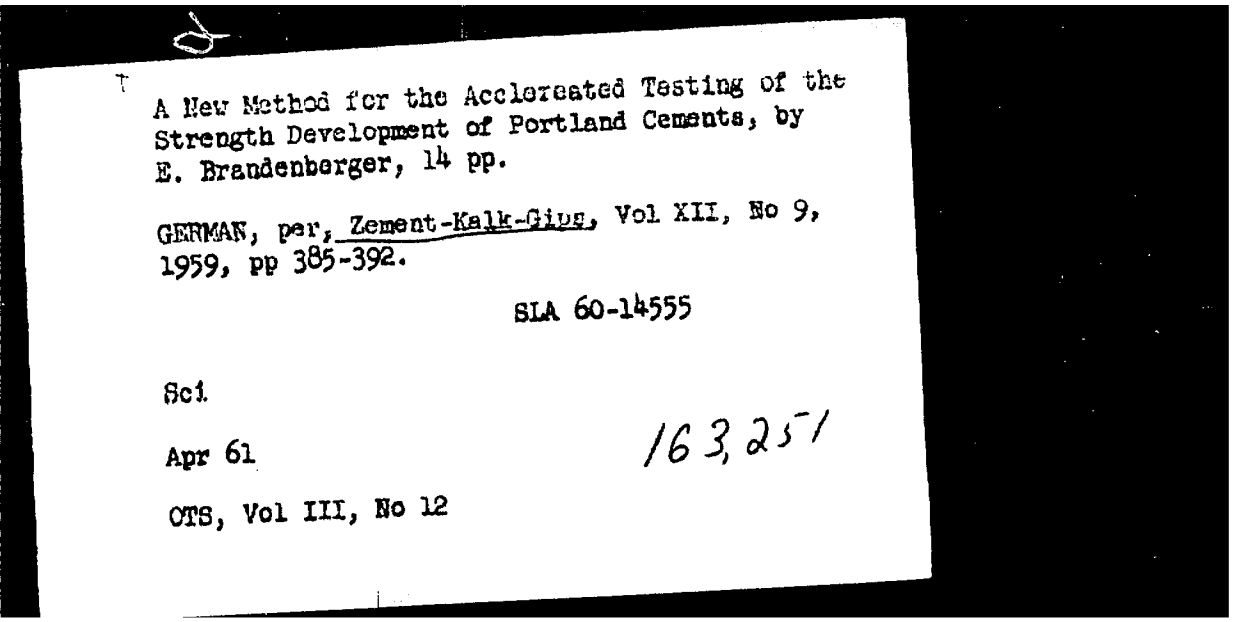
Sci (CCSR.Col)

OTS, Vol III, No 8 145, 142

Apr 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0



A New Method for the Accelereated Testing of the Strength Development of Portland Cements, by E. Brandenberger, 14 pp.

GERMAN, per, Zement-Kalk-Gips, Vol XII, No 9, 1959, pp 385-392.

SLA 60-14555

Sci

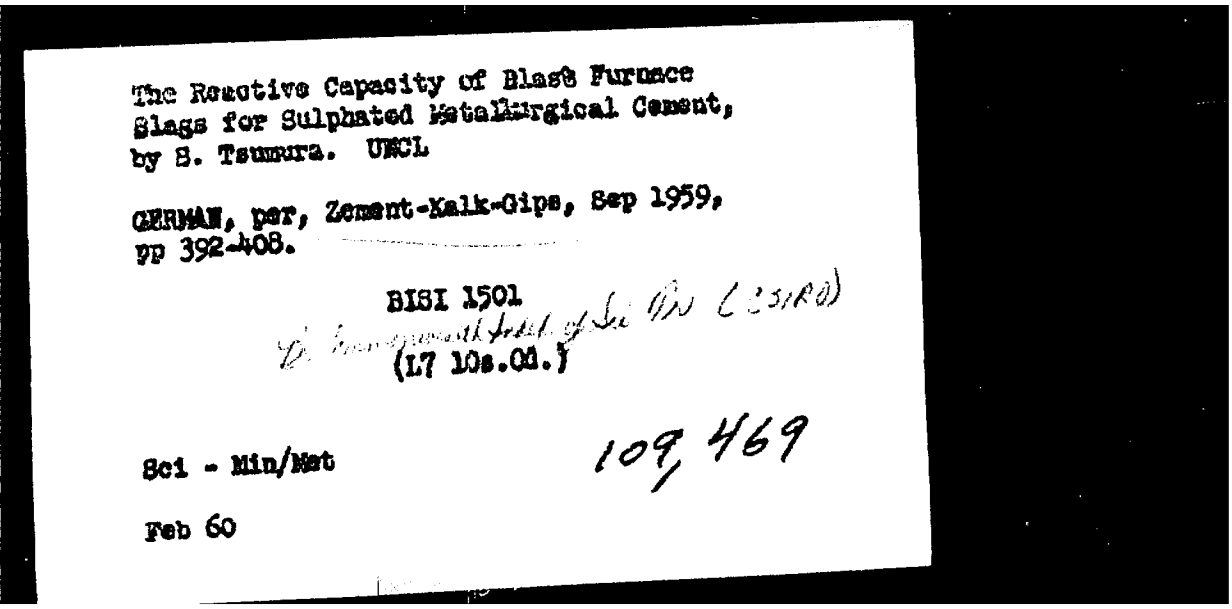
Apr 61

163,251

OTS, Vol III, No 12

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0



The Reactive Capacity of Blast Furnace Slags for Sulphated Metallurgical Cement, by S. Tsumura. UNCL

GERMAN, per, Zement-Kalk-Gips, Sep 1959, pp 392-408.

BISI 1501

(L7 10s.0d.)

109,469

Sci - Min/Met

Feb 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

White Portland Cement Containing Barium Oxide, by A. Braniski, T. Ionescu.

GERMAN, per, Zement-Kalk-Gips, Vol XII, No 9, 1959, pp 412-414.

INSDOC/Ref T.4896

Sci-Engr
Mar 63

225,251

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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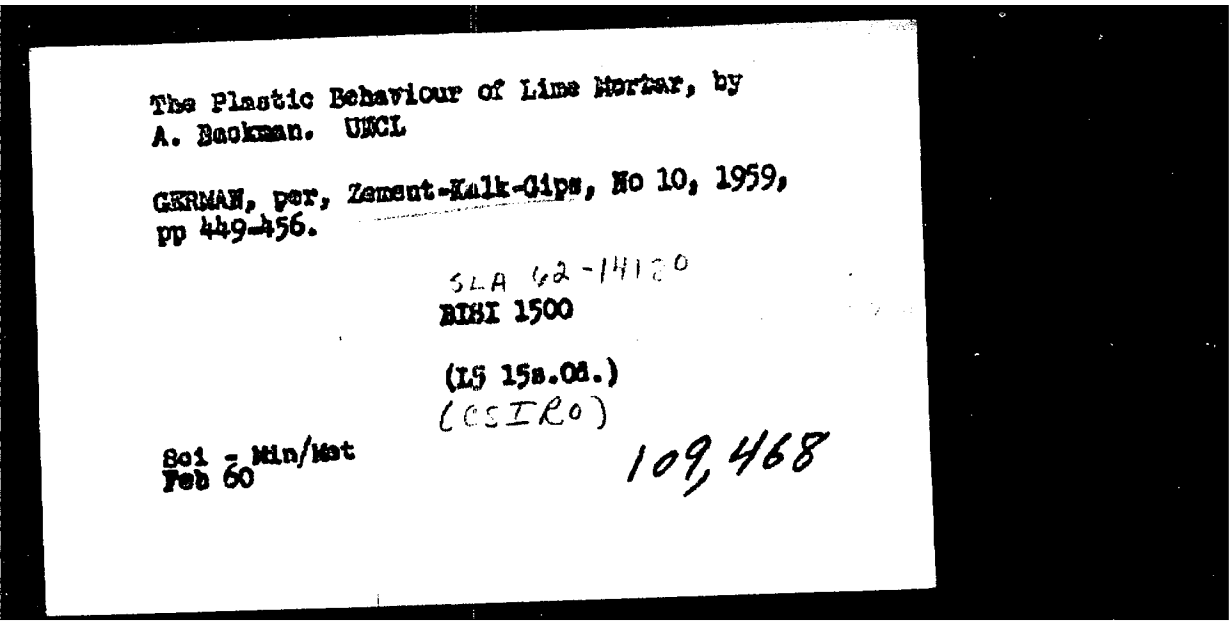

The Plastic Behaviour of Lime Mortar, by
A. Beckman. UKCL

GERMAN, per, Zement-Kalk-Gips, No 10, 1959,
pp 449-456.

SLA 62-14120
BISI 1500

(L5 15s.08.)
(CSIRO)

Sci - Min/Met
Feb 60

109,468

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Hydration Mechanism of Calcium Oxide and Plastic Properties of Pastes of Hydrate of Lime, by J. Wuhrer, et al.

GERMAN, per, Zement-Kalk-Gips, No 10, 1959, pp 456-465.

CSIRO

191, 727

Sci - Chem, Min/Met

Apr 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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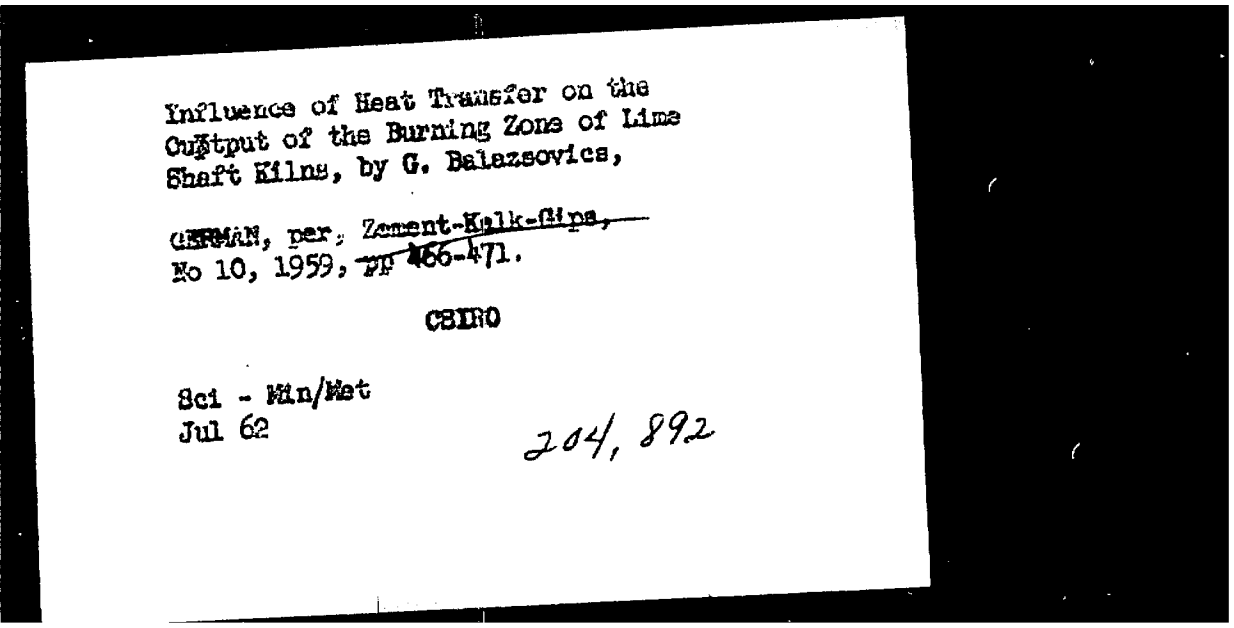

Influence of Heat Transfer on the Output of the Burning Zone of Lime Shaft Kilns, by G. Balazsovics,

GERMAN, per. Zement-Kalk-Gips, No 10, 1959, pp 466-471.

CSIRO

Sci - Min/Met
Jul 62

204, 892

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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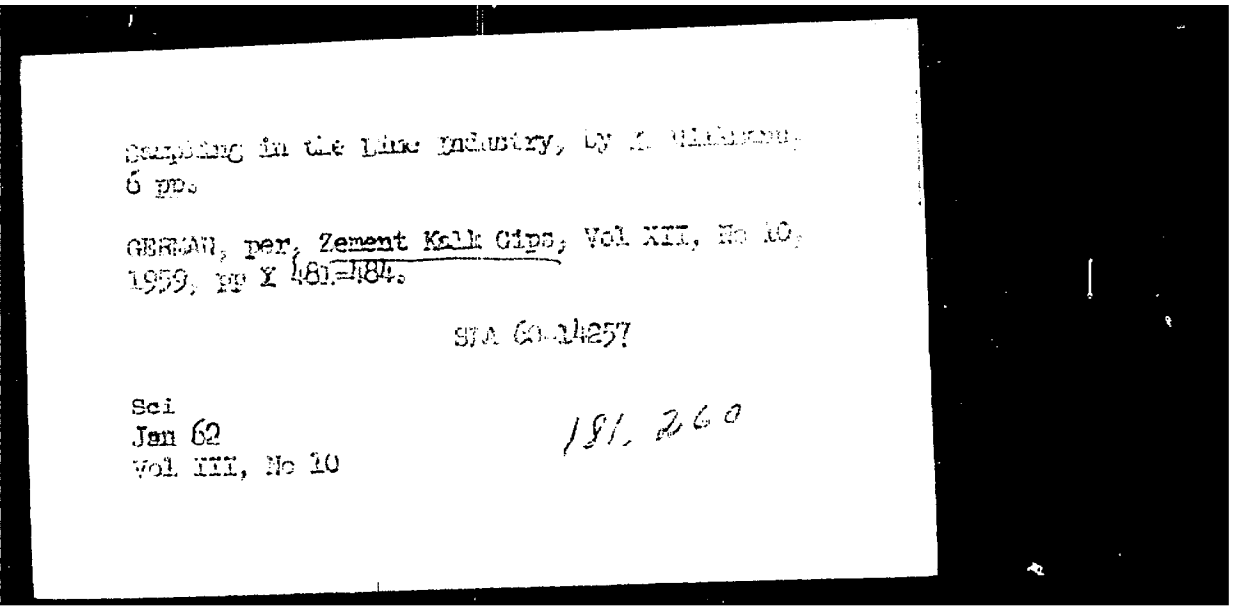


Crushing in the Lime Industry, by [illegible]
6 pp.

GERMAN, per, Zement Kalk Gips, Vol XII, No 10, 1959, pp 481-484.

STA 60-14257

Sci
Jan 62
Vol III, No 10

181, 260

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Wieland, W.
DETERMINATION OF THE GRAIN SIZE DISTRIBUTION OF POWDERED MATERIALS. Foreign Literature Study No. 308. [1960] 8p. 9 refs.
Order from SLA mi$1.80, ph$1.80 61-10200

Trans. of Zement-Kalk-Gips (West Germany) 1959, v. 12, no. 11, p. 516-519.

Some common measurement methods and their interpretations are shown to disguise the true particle size distribution of the products of ball mill grinding and to suppress certain characteristic features.

148, 474

(Engineering--Chemical, TT, v. 5, no. 7)

61-10200

1. Particles--Measurement
2. Cements--Analysis
3. Powders--Measurement
4. Title: Granulation
I. Wieland, W.
II. Title: Foreign ...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Recent Investigations Concerning the Quality of Limes With Different Degrees of Burning, by G. Pohl.

GERMAN, per, Zement-Kalk-Gips, No 12, 1959, pp 566-572.

CSIERO

203,349

Sci - Min/Met
Jun 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

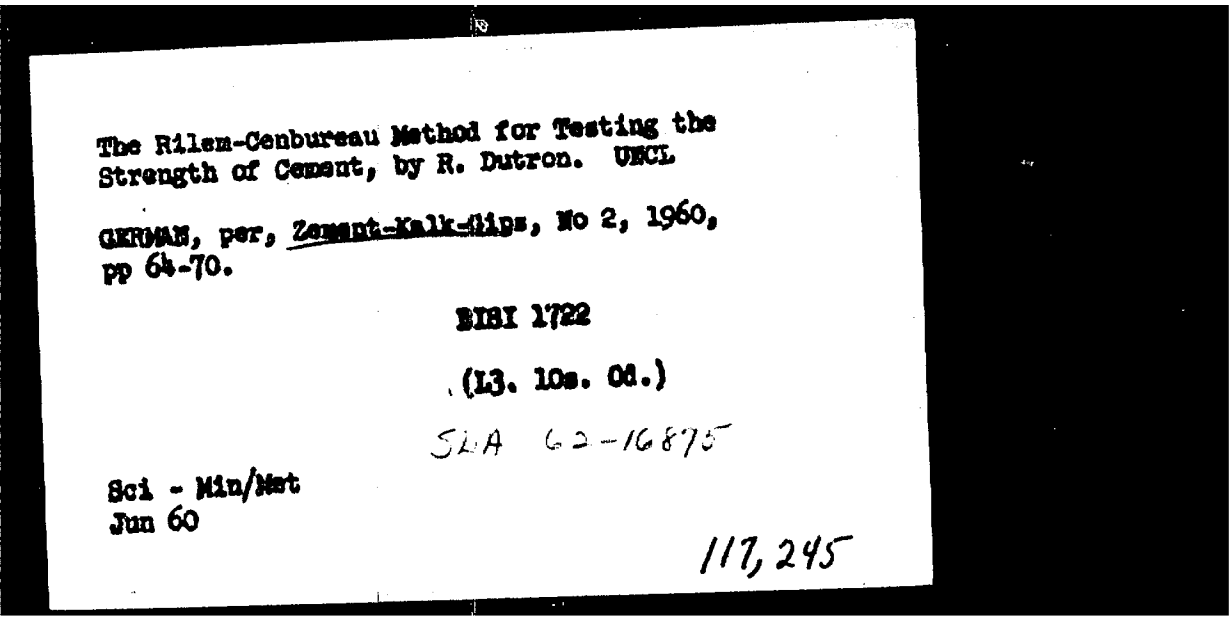
Production of Creep-Resistant Hard Gypsum [redacted]
Plasters, by E. Eipeltauer.
GERMAN, per, Zement-Kalk-Gips, 1960.
[redacted] CSR Co

Sci - Mat/Met
Jun 64

261,230

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0



The Rilem-Cenbureau Method for Testing the Strength of Cement, by R. Dutron. UKCL

GERMAN, per, Zement-Kalk-Gips, No 2, 1960, pp 64-70.

BISI 1722

(L3. 10s. 0d.)

SLA 62-16875

Sci - Min/Met
Jun 60

117,245

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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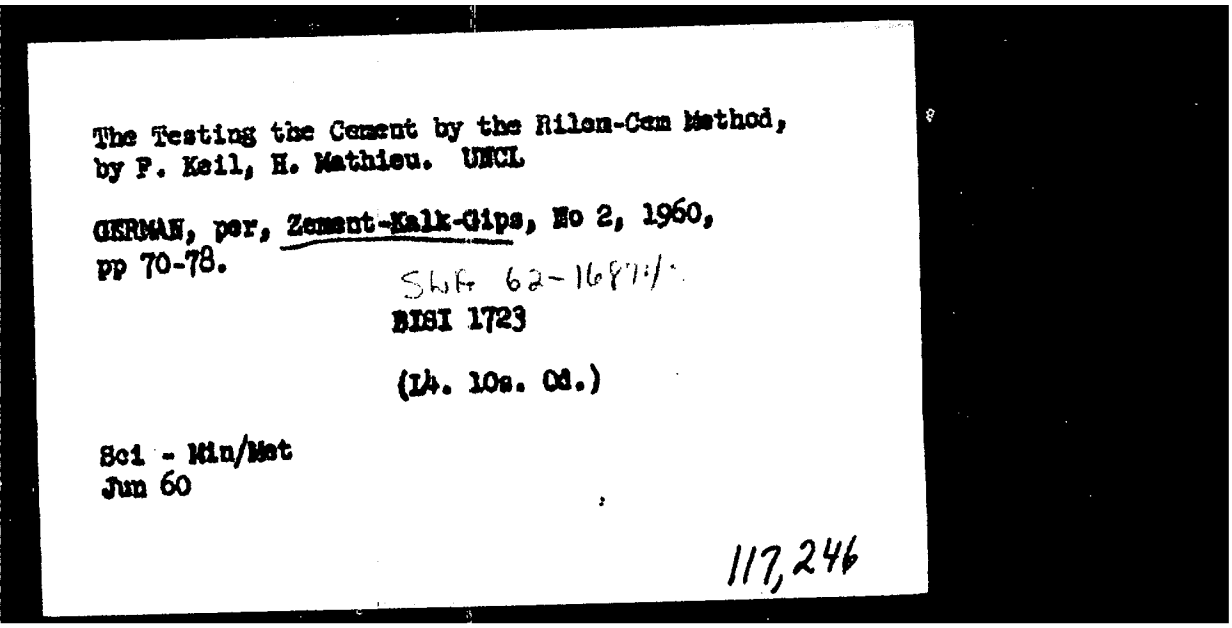


The Testing the Cement by the Rilem-Cem Method,
by F. Keil, H. Mathieu. UNCL

GERMAN, per, Zement-Kalk-Gips, No 2, 1960,
pp 70-78.

SWP 62-16871

BISI 1723

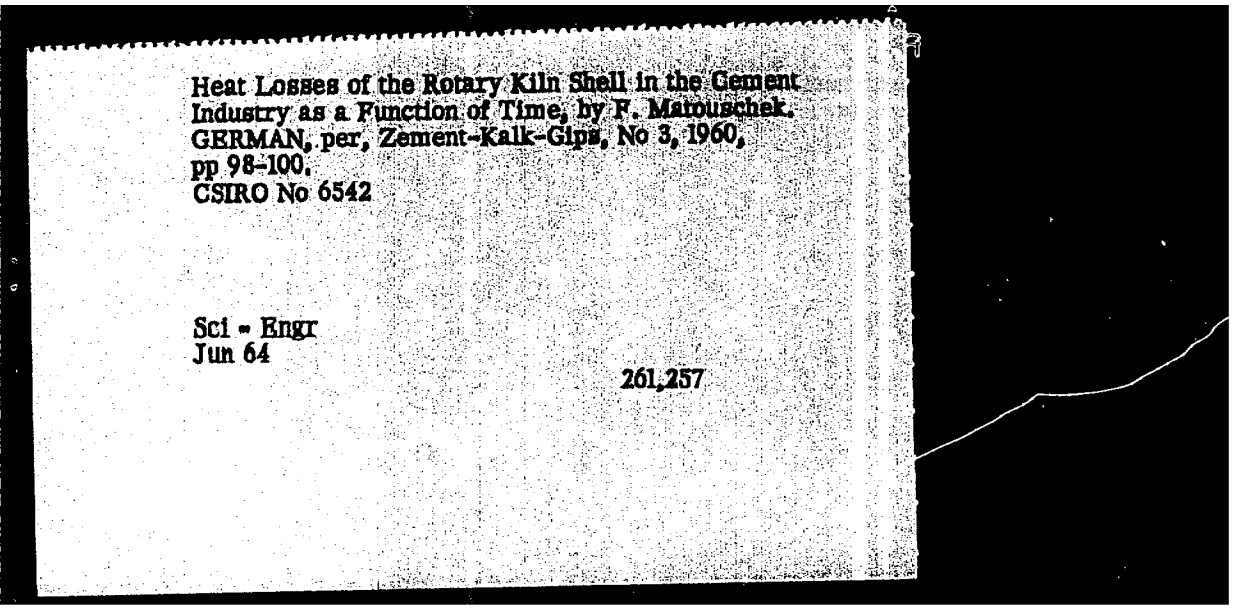
(14. 10s. 0d.)

Sci - Min/Met
Jun 60

117,246

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0



Heat Losses of the Rotary Kiln Shell in the Cement Industry as a Function of Time, by F. Marouschek. GERMAN, per, Zement-Kalk-Gips, No 3, 1960, pp 98-100.
CSIRO No 6542

Sci - Engr
Jun 64

261,257

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Investigations on Cement and Concrete With Exo+ Electrons After Exposure to X-Rays, by J. Kramer.

GERMAN, per, Zement-Kalk-Gips, No 3, 1960, pp 111-118.

BISI 1707

Sci - Min/Met; Phys

SNA 62-16871

Jul 60

121,442

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Wührer, J.
SCIENTIFIC AND PROCESSING PROBLEMS IN THE BURNING OF PORTLAND CEMENT CLINKER FROM QUICKLIME. [1962] 34p. 9 refs.
Order from SLA $3.60 62-14300

Trans. of Zement-Kalk-Gips (West Germany) 1960, v. 13, no. 5, p. 181-192.

DESCRIPTORS: *Calcium compounds, Oxides, *Cements, Combustion, Processing.

(Engineering--Chemical, TT, v. 8, no. 9)

62-14300

1. Title: Clinker
I. Wührer, J

Office of Technical Services

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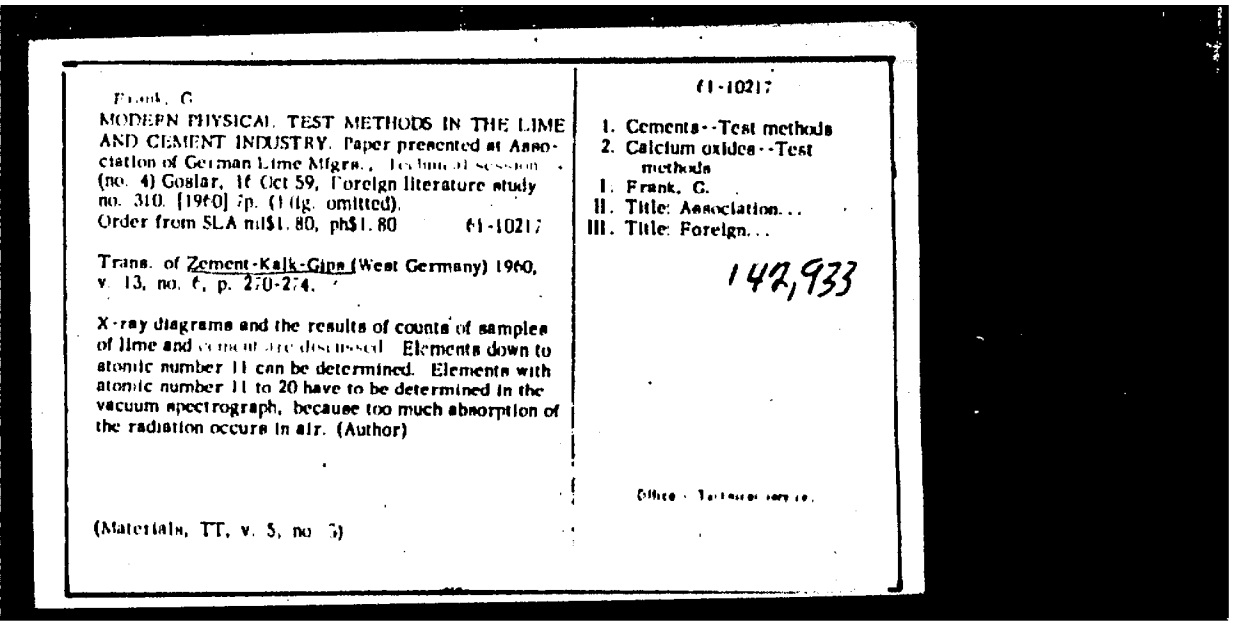
APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0



Frank, C.

MODERN PHYSICAL TEST METHODS IN THE LIME AND CEMENT INDUSTRY. Paper presented at Association of German Lime Mfgrs., Technical session (no. 4) Goslar, 16 Oct 59, Foreign literature study no. 310. [1960] 7p. (1 fig. omitted).
Order from SLA mi$1.80, ph$1.80 61-10217

Trans. of Zement-Kalk-Gips (West Germany) 1960, v. 13, no. 6, p. 270-274.

X-ray diagrams and the results of counts of samples of lime and cement are discussed. Elements down to atomic number 11 can be determined. Elements with atomic number 11 to 20 have to be determined in the vacuum spectrograph, because too much absorption of the radiation occurs in air. (Author)

(Materials, TT, v. 5, no. 3)

61-10217

1. Cements--Test methods
2. Calcium oxides--Test methods
I. Frank, C.
II. Title: Association...
III. Title: Foreign...

142,933

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Automatic Central Grease Lubrication in the Cement Industry, by G. Schmerson.

GERMAN, per, Zement-Kalk-Gips, Vol XIII, No 6, 1960, pp 274-278.

CSIRO

Sci - Engr
Aug 62

211, 144

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Investigation of Gypsum and Anhydrite by Differential Thermal Analysis, by T. Wiedmann.

GERMAN, per, Zement-Kalk-Gips, Vol XIII, No 7, 1960, pp 293-301

CSIRO

Sci - Min/Met
Oct 61

171, 304

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Bock, H.
NOMOGRAMS FOR DETERMINING OPERATING DATA FOR LIME KILNS. Jul 61.
Order from C. L. A. I. R. A. Laboratories, Church Street, Welwyn, Herts, England £5 CLAIRA T. 12

Trans. of Zement-Kalk-Gips (West Germany) 1960, v. 13, no. 7, p. 302-310.

DESCRIPTORS: *Furnaces, Operation, Nomographs, *Calcium compounds, Oxides, Cement kilns.

(Materials, TT, v. 11, no. 4)

TT-63-22910

I. Bock, H.
II. CLAIRA-T-12
III. Chalk Lime and Allied Industries Research Association (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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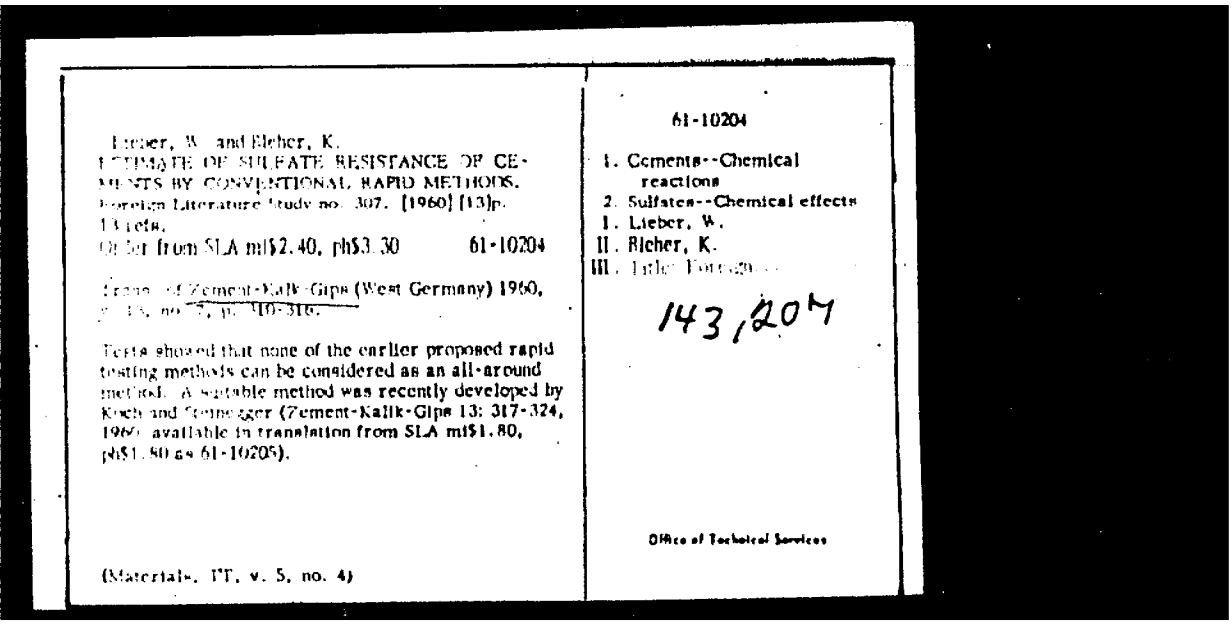


Lieber, W. and Bleher, K.
ESTIMATE OF SULFATE RESISTANCE OF CEMENTS BY CONVENTIONAL RAPID METHODS.
Foreign Literature Study no. 307. [1960] [13]p.
13 refs.
Order from SLA mi$2.40, ph$3.30 61-10204

From: Zement-Kalk-Gips (West Germany) 1960, v. 13, no. 7, p. 310-316.

Tests showed that none of the earlier proposed rapid testing methods can be considered as an all-around method. A suitable method was recently developed by Koch and Steinegger (Zement-Kalk-Gips 13: 317-324, 1960) available in translation from SLA mi$1.80, ph$1.80 as 61-10205).

(Materials, TT, v. 5, no. 4)

61-10204

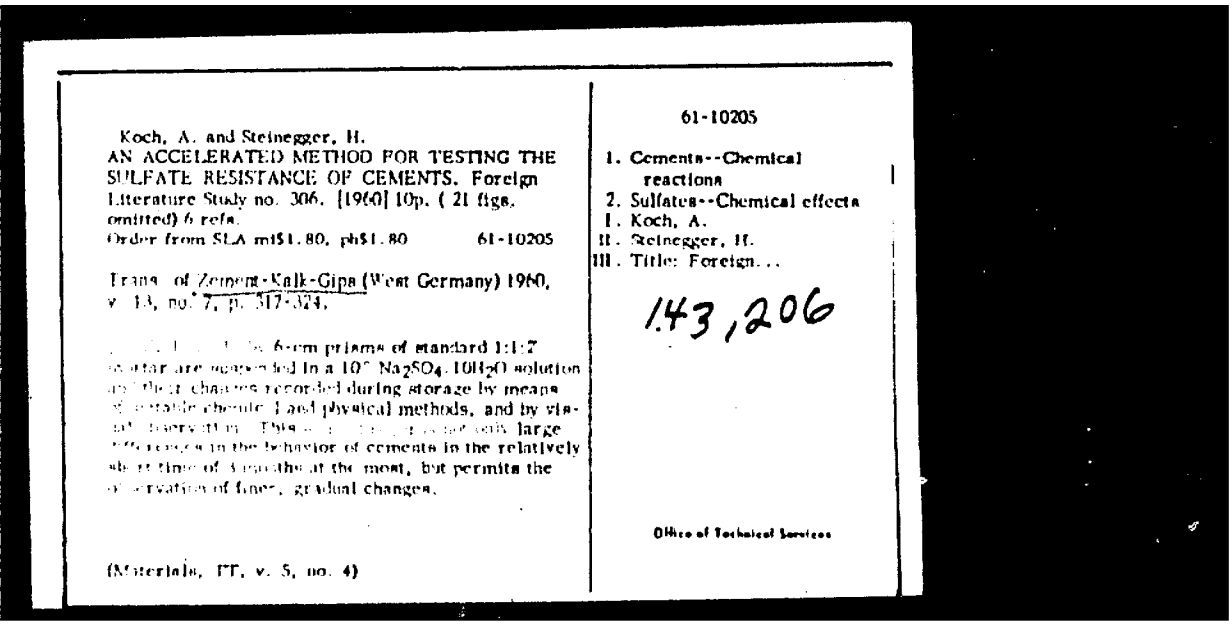
1. Cements--Chemical reactions
2. Sulfates--Chemical effects
I. Lieber, W.
II. Bleher, K.
III. Title: Estimate...

143,204

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0



Koch, A. and Steinegger, H.
AN ACCELERATED METHOD FOR TESTING THE SULFATE RESISTANCE OF CEMENTS. Foreign Literature Study no. 306. [1960] 10p. (21 figs. omitted) 6 refs.
Order from SLA mf$1.80, ph$1.80 61-10205

Trans. of Zement-Kalk-Gips (West Germany) 1960, v. 13, no. 7, p. 317-324.

[illegible] 6-cm prisms of standard 1:1:7 mortar are [illegible] in a 10% $Na_2SO_4 \cdot 10H_2O$ solution and their changes recorded during storage by means of suitable chemical and physical methods, and by visual observation. This [illegible] with large differences in the behavior of cements in the relatively short time of 4 months at the most, but permits the observation of finer, gradual changes.

(Materials, IT, v. 5, no. 4)

61-10205

1. Cements--Chemical reactions
2. Sulfates--Chemical effects
I. Koch, A.
II. Steinegger, H.
III. Title: Foreign...

143,206

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Fleck, K.
WHIRLWIND AIR SEPARATORS (Streu Windsichter).
Aug 62.
Order from S. Muller, 1614-27 Street, Orlando, Fla.
$46.50

Trans. of Zement-Kalk-Gips (West Germany) 1960
[v. 13] no. 11, p. 501-522.

DESCRIPTORS: *Air, Separation, Machines.

(Machinery, Fabrications and Accessory Equipment,
TT, v. 8, no. 8)

62-22390

1. Title: Whirlwind separator
I. Fleck, K.
II. Muller, S., Orlando, Fla.

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Schloemer, H.
THE USE OF X-RAY FLUORESCENCE ANALYSIS IN CEMENT CHEMISTRY. [1961] 16p. 3 refs.
Order from SLA $1.60 61-18712

Trans. of Zement-Kalk-Gips (West Germany) 1960, v. 13, no. 11, p. 522-530.

DESCRIPTORS: *Cements, Fluorescence, Construction, Materials, *X-ray spectroscopy, Chemical analysis.

The method and nature of X-ray fluorescence analysis are described. In connection with the plotting of calibration curves the preliminary treatment of the samples of material is of importance. The shape of the calibration curve of two mixtures, viz., $CaCO_3$-MgO and $CaCO_3$-SiO_2, and the manner in which the latter is affected by the third component Al_2O_3, are discussed.

(Physics--Spectroscopy, TT, v. 6, no. 9) (over)

61-18712

I. Schloemer, H.

185476

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Wittekindt, W.
SULFATE RESISTANT CEMENTS AND THEIR TESTING. [1961] 18p. (1 photo omitted) 40 refs.
Order from SLA $1.60 61-20557

Trans. of Zement-Kalk-Gips (West Germany) 1960, v. 13, no. 12, p. 565-572.

DESCRIPTORS: *Cements, *Sulfates, Resistance, Materials, Chemical properties, Concrete, Tests.

(Materials, TT, v. 7, no. 1)

61-20557

I. Wittekindt, W.

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

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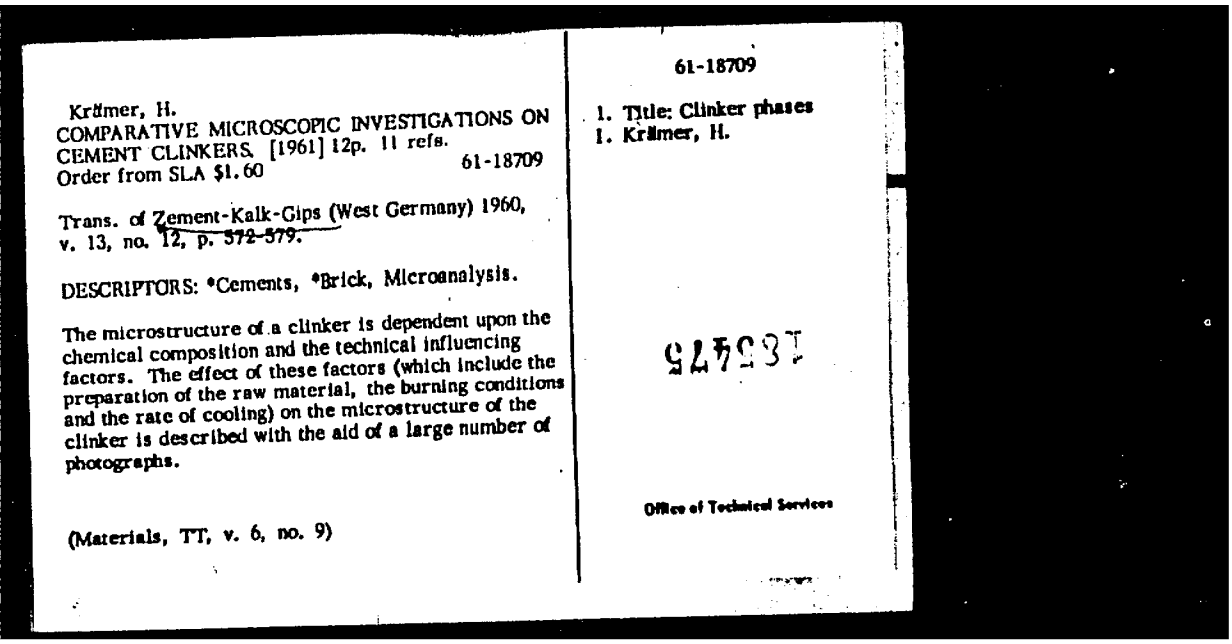

Krämer, H.
COMPARATIVE MICROSCOPIC INVESTIGATIONS ON CEMENT CLINKERS. [1961] 12p. 11 refs.
Order from SLA $1.60 61-18709

Trans. of Zement-Kalk-Gips (West Germany) 1960, v. 13, no. 12, p. 572-579.

DESCRIPTORS: *Cements, *Brick, Microanalysis.

The microstructure of a clinker is dependent upon the chemical composition and the technical influencing factors. The effect of these factors (which include the preparation of the raw material, the burning conditions and the rate of cooling) on the microstructure of the clinker is described with the aid of a large number of photographs.

(Materials, TT, v. 6, no. 9)

61-18709

1. Title: Clinker phases
1. Krämer, H.

154375

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Hilber, H.
STABILITY MEASUREMENTS ON ROTARY KILN SHELLS BY "SHELLTEST". [1963] 25p. (figs. table refs. omitted).
Order from SLA $2.60 63-18394

Trans. of Zement-Kalk-Gips (West Germany) 1961, v. 14, no. 1, p. 1-16.

DESCRIPTORS: *Rotary furnaces, *Structural shells, Deformation, *Refractory materials, Stresses, Load distribution, Combustion chamber liners.

With the Swedish "Shelltest" instrument in combination with the "Shelltest Recorder" it is possible to determine the kiln shell deformation by a measurement technique. The deformation curves permit inferences to be drawn regarding the maximum shell deformations, loading conditions, roller adjustment, and the state of (Machinery--Manufacturing, TT, v. 10, no. 11) (over)

63-18394

1. Title: Shelltest
I. Hilber, H.

Office of Technical Services

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Development Trends in the Construction of Cement-Making Plant, by A. Bellwinkel, 46 pp

GERMAN, per, Zement-Kalk-Gips, Vol XIV, No 2, 1961, pp 41-56.

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Potential Analysis-Lime Standard-Lime Error, by E. Spohn, E. Woermann.
GERMAN, per Zement-Kalk-Gips, Vol. 14, No. 2, 1961, pp 56-67
CSIRO/No.7654

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Sep 1967

339-728

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Spohn, E.
THE HAUENSHILD REACTION IN THE CEMENT SHAFT KILN. 1 Aug 62 [6]p. (figs. refs. omitted).
Order from SLA $1.10 62-18704

Summary trans. of Zement-Kalk-Gips (West Germany) 1961, v. 14, no. 3, p. 105-108.

DESCRIPTORS: *Cements, Production, Materials, Sintering furnaces, *Chemical reactions

(Materials, TT, v. 9, no. 11)

62-18704

1. Title: Havenshild reaction
I. Spohn, E.

Office of Technical Services

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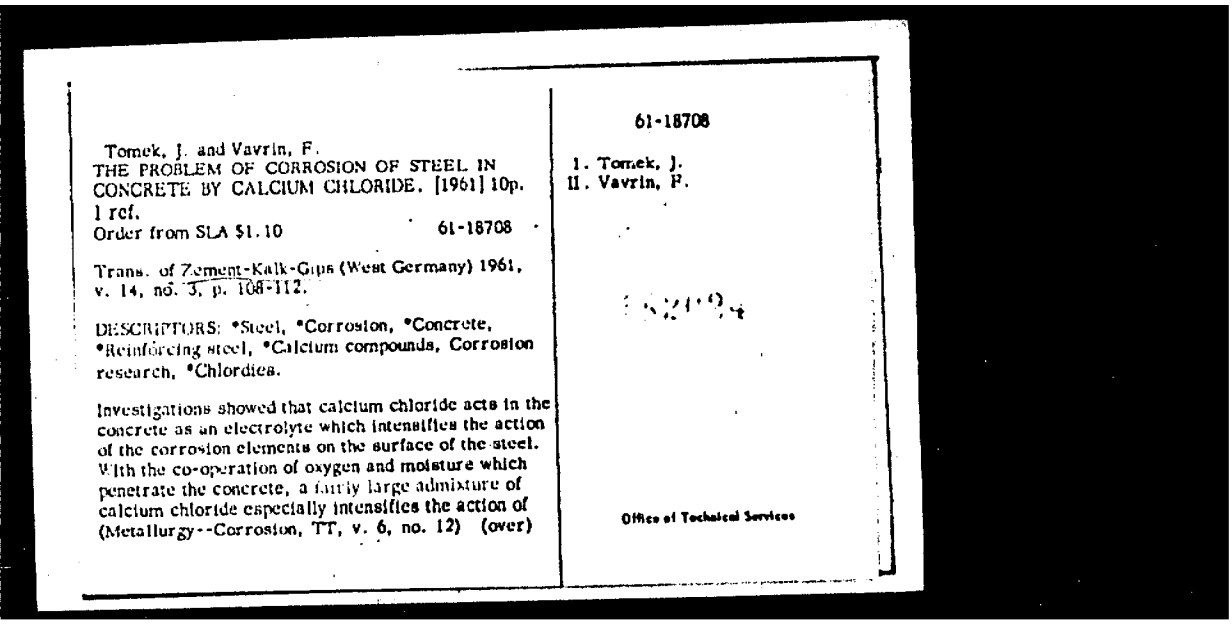

Tomek, J. and Vavrin, F.
THE PROBLEM OF CORROSION OF STEEL IN CONCRETE BY CALCIUM CHLORIDE. [1961] 10p. 1 ref.
Order from SLA $1.10 61-18708

Trans. of Zement-Kalk-Gips (West Germany) 1961, v. 14, no. 3, p. 108-112.

DESCRIPTORS: *Steel, *Corrosion, *Concrete, *Reinforcing steel, *Calcium compounds, Corrosion research, *Chlordies.

Investigations showed that calcium chloride acts in the concrete as an electrolyte which intensifies the action of the corrosion elements on the surface of the steel. With the co-operation of oxygen and moisture which penetrate the concrete, a fairly large admixture of calcium chloride especially intensifies the action of (Metallurgy--Corrosion, TT, v. 6, no. 12) (over)

61-18708

1. Tomek, J.
II. Vavrin, F.

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330069-0

Uchikawa, H.and Takagi, S
ELECTRON MICROSCOPE STUDIES OF COMPLETELY HYDRATED CLINKER COMPONENTS.
[1962] 7p. (18 figs. omitted) 8 refs.
Order from SLA $1.10 62-14215

Trans. of Zement-Kalk-Gips (West Germany) 1961, v. 14, no. 4, p. 153-158.

DESCRIPTORS: *Electron microscopes, *Cements, Water, Ball mills, Hydrates, Gypsum, Synthesis.

The surface and internal structure of completely hydrated and hardened cement clinker components, and their mixtures with and without gypsum, were investigated by electron-microscopic methods using ultra-microtome sections. The samples were hydrated in a ball mill at 20°C with a water/cement ratio of 0.8. As a result of these experiments the process of hardening and strength development can
(Engineering--Chemical, TT, v. 8, no. 9) (over)

62-14215

I. Title: Clinker
I. Uchikawa, H.
II. Takagi, S.

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Optical Quantitative Phase Determination in Clinkers and Cements, by H. Kramer. GERMAN, per Zem.-Kalk-Gips, No. 5, 1961, pp 207-211
CSIRO/ No. 7926

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Aug 67 337-364

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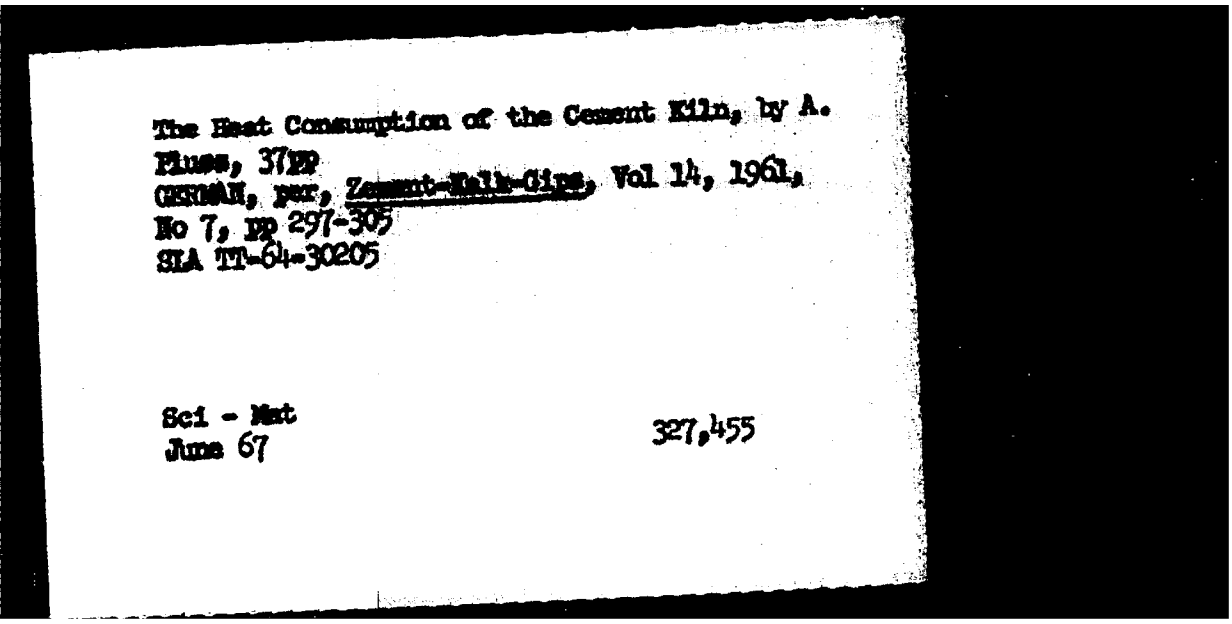

The Heat Consumption of the Cement Kiln, by A.
Fluss, 37pp
GERMAN, per, Zement-Kalk-Gips, Vol 14, 1961,
No 7, pp 297-305
SIA TT-64-30205

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June 67

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